Measures for diffusion of solar PV in selected African countries - DTU Orbit (25/12/2018)

Measures for diffusion of solar PV in selected African countries
This paper investigates how African governments are considering supporting and promoting the diffusion of solar PV. This issue is explored by examining so-called 'technology action plans (TAPs)', which were main outputs of the Technology Needs Assessment project implemented in 10 African countries from 2010 to 2013. The paper provides a review of three distinct but characteristic trajectories for PV market development in Kenya (private-led market for solar home systems), Morocco (utility-led fee-for service model) and Rwanda (donorled market for institutional systems). The paper finds that governments’ strategies to promoting solar PV are moving from isolated projects towards frameworks for market development and that there are high expectations to upgrading in the PV value chain through local assembly of panels and local production of other system elements. Commonly identified measures include support to: local production; financing schemes; tax exemptions; establishment and reinforcement of standards; technical training; and research and development.

General information
State: Published
Organisations: Department of Management Engineering, UNEP DTU Partnership
Contributors: Nygaard, I., Hansen, U. E., Mackenzie, G. A., Pedersen, M. B.
Pages: 707-721
Publication date: 2017
Peer-reviewed: Yes

Publication information
Journal: International Journal of Sustainable Energy
Volume: 36
Issue number: 7
ISSN (Print): 1478-6451
Ratings:
BFI (2018): BFI-level 1
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 1.17 SJR 0.471 SNIP 0.531 Web of Science (2017): Indexed yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 0.92 SJR 0.414 SNIP 0.719 BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 0.63 SJR 0.346 SNIP 0.509 BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 0.73 SJR 0.351 SNIP 0.568 BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 0.88 SJR 0.337 SNIP 0.727 ISI indexed (2013): ISI indexed no
BFI (2012): BFI-level 1
Scopus rating (2012): CiteScore 0.99 SJR 0.503 SNIP 0.795 ISI indexed (2012): ISI indexed no
BFI (2011): BFI-level 1
Scopus rating (2011): CiteScore 0.75 SJR 0.268 SNIP 0.592 ISI indexed (2011): ISI indexed no
BFI (2010): BFI-level 1
Scopus rating (2010): SJR 0.212 SNIP 0.429 BFI (2009): BFI-level 1
Scopus rating (2009): SJR 0.136 SNIP 0.215 BFI (2008): BFI-level 1
Scopus rating (2008): SJR 0.223 SNIP 0.313 Scopus rating (2007): SJR 0.191 SNIP 0.527
Scopus rating (2006): SJR 0.201 SNIP 0.884 Scopus rating (2005): SJR 0.231 SNIP 0.611
Scopus rating (2004): SJR 0.107 SNIP 0.045 Web of Science (2004): Indexed yes
Scopus rating (2003): SJR 0.16 SNIP 0.596